CLAIMS:

1.        A receiver for receiving data frames transmitted through a communication channel and comprising an error correction device for correcting transmission errors in the received data,

characterized in that said error correction device comprises:

5    -    vocal recognition means for recognizing speech elements in the received data frames,

-    detection means for detecting corrupted parts in the recognized speech elements,

-    synthesis means for synthesizing parts of the speech elements corresponding to the corrupted parts, and

-    replacement means for replacing said corrupted parts by the synthesized parts in the

10   received data frames.

2.        A receiver as claimed in claim 1, characterized in that said speech elements are phonemes or diphones.

15   3.        A receiver as claimed in claim 1, characterized in that the error correction device comprises storage means for storing information associated with the speech elements intended to be used by the vocal recognition means and the synthesis means.

4.        Telephone equipment comprising a receiver as claimed in claim 1.

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5.        An error correction device for correcting transmission errors in received digital data frames,

characterized in that it comprises:

-    vocal recognition means for recognizing speech elements in the received data frames,

25   -    detection means for detecting corrupted parts in the recognized speech elements,

-    synthesis means for synthesizing parts of the speech elements corresponding to the corrupted parts, and

-    replacement means for replacing said corrupted parts by the synthesized parts in the received data frames.

6.          A communication system for transmitting data frames between a transmitter and a receiver via a communication channel, the receiver comprising an error correction device for correcting transmission errors in the received data,

5        characterized in that said error correction device comprises:

-          vocal recognition means for recognizing speech elements in the received data frames,

-          detection means for detecting corrupted parts in the recognized speech elements,

-          synthesis means for synthesizing parts of the speech elements corresponding to the corrupted parts, and

10       -          replacement means for replacing said corrupted parts by the synthesized parts in the received data frames.


7.          An error correction method for correcting transmission errors in received digital data frames,

15       characterized in that it comprises the following steps:

-          a vocal recognition step for permanently recognizing speech elements in the received data frames,

-          a detection step for detecting corrupted parts in the recognized speech elements,

-          a synthesis step for synthesizing parts of the speech elements corresponding to the

20       corrupted parts, and

-          a replacement step for replacing said corrupted parts by the synthesized parts in the data frame.